

**METHOD AND APPARATUS FOR OVERCHARGE PROTECTION
USING ANALOG OVERVOLTAGE DETECTION**

Abstract

5 A protection circuit for a multi-cell lithium battery pack is disclosed. The protection circuit monitors and compares the battery pack voltage level and automatically disconnects the battery pack from a charging signal when a turn-off threshold level is reached. Overcharging is eliminated, while maximizing the amount of charge on the battery pack, and thus duration of use.

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